ABSTRACT OF THE DISCLOSURE

DEVICE FOR DETECTING ELECTROMAGNETIC RADIATIONS

A device for detecting electromagnetic radiations, ~~and in particular infrared radiations,~~ implements a detection circuit associated with a reading circuit. The detection circuit includes an array of detection pixels, each ~~of the pixels consisting of~~ comprising a thermal detector of biased bolometric type, and delivering an electric current signal representative of ~~the~~ detected radiation. The ~~current~~ signal undergoes a double baselining, respectively: a global baselining carried out by means of a thermally isolated bolometer, ensuring ~~the~~ extraction from ~~said electric current~~ the signal, of a first current of constant value inherent to the biasing of the thermal detector, and an adaptive baselining specific to each of the pixels, carried out by ~~means of~~ a programmable current generator, ~~specific to each of the pixels,~~ generating a current for subtraction from the current signal, as a function of the dispersion inherent to the pixel considered relative to a reference signal and stored in an associated memory. ~~The associated memory is~~ integrated at the level of each of the pixels.